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Matric for sustained-release drug prepn. - comprising an ester formed at a terminal carboxyl gp. of a straight chain polyester

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Patent Family (12 patents, 17 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
EP 668073	A2	19950823	EP 1995301091	A	19950221	199540 B
CA 2143044	A	19950822	CA 2143044	A	19950221	199546 E
JP 7278018	A	19951024	JP 199532554	A	19950221	199551 E
JP 7278277	A	19951024	JP 199532553	A	19950221	199551 E
EP 668073	A3	19960724	EP 1995301091	A	19950221	199639 E
US 5594091	A	19970114	US 1995391699	A	19950221	199709 E
US 5665394	A	19970909	US 1995391699	A	19950221	199742 E
			US 1996723152	A	19960930	
EP 668073	B1	19990414	EP 1995301091	A	19950221	199919 E
DE 69508985	E	19990520	DE 69508985	A	19950221	199926 E
			EP 1995301091	A	19950221	
JP 3490171	B2	20040126	JP 199532553	A	19950221	200410 E
JP 3524195	B2	20040510	JP 199532554	A	19950221	200432 E
CA 2143044	C	20050412	CA 2143044	A	19950221	200527 E

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Alerting Abstract EP A2

The following are claimed: (A) Matrix for sustained-release prepn., comprising an ester formed at a terminal carboxyl gp. of a straight-chain polyester which consists of an alpha-hydroxymonocarboxylic acid. The polyester has a wt. average mol.wt. of 1,500-50,000. (B) Sustained-release prepn. comprising: (a) the matrix as described in (A); and (b) a biologically active peptide. (C) Injectable prepn. comprising the sustained-release prepn. as described in (B). (D) Ester as described in (A).

USE - The matrix enables prodn. of sustained-release prepn. with low initial drug release. The matrix may be used for delivery of, e.g. biologically active peptides, antitumour agents, antibiotics, analgesics, sedatives, antiinflammatory agent, antiulcer agents, antiallergic agents, vasodilators, hormones and osteoporosis remedies etc..

ADVANTAGE - The matrix is stable to light, heat, moisture, colouring, etc., and is of low toxicity. It gives stable drug release over an extended period of time. It does not show excess drug release just after admin..